U.S.S.N. 10/604,490   2   81092467 (FGT 1827 PA)

In the claims:

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1.   (Currently Amended)   A vision-based object detection system for a vehicle comprising:

a plurality of vision sensing systems comprising a frontal collision sensing system and having at least one vision receiver and generating an object detection signal; and

a controller comprising a plurality of sensing system aid modules corresponding to each of said plurality of vision sensing systems, selecting and operating at least one of said plurality of sensing system aid modules in response to at least one vehicle parameter, and generating at least one safety system signal in response to said object detection signal;

said plurality of sensing system aid modules and each of said at least one receiver have having a plurality of associated active operating modes, said plurality of sensing system aid modules operating and operate at least one of said plurality of vision sensing systems in at least one of said operating modes in response to said at least one vehicle parameter.

2.   (Original)   A system as in claim 1 wherein said plurality of vision sensing systems are selected from at least one of a frontal and rear collision vision sensing system, a rearward collision vision sensing system, and a side collision vision sensing system.

3.   (Original)   A system as in claim 1 wherein said controller operates said plurality of vision sensing systems in at least one mode selected from a reversing-aid mode, a parking-aid mode, a pre-collision sensing mode, an adaptive cruise control mode, a lane departure aid mode, and a lane-keeping aid mode.

4.   (Original)   A system as in claim 1 wherein said plurality of sensing system aid modules comprises a plurality of collision avoidance and countermeasure modules.